

Title (en)
Automatic injector with needle cover

Title (de)
Automatischer Injektor mit Nadelabdeckung

Title (fr)
Injecteur automatique avec étui protecteur d'aiguille

Publication
EP 2179759 B2 20211124 (EN)

Application
EP 09173753 A 20091022

Priority
US 25875408 A 20081027

Abstract (en)
[origin: US2009270804A1] An auto-injector automatically dispenses a predetermined dose of medicament upon activation. The auto-injector includes a needle cover operative to engage an injection site and activate the injector. The needle cover is configured to move from a locked retracted position prior to a medicament dispensing operation to a locked extended position after the medicament dispensing operation. The non-removable needle cover prevents contact with the needle both before and after the medicament dispensing operation.

IPC 8 full level
A61M 5/20 (2006.01); **A61M 5/32** (2006.01); **A61M 5/50** (2006.01)

CPC (source: EP US)
A61M 5/2033 (2013.01 - EP US); **A61M 5/24** (2013.01 - EP US); **A61M 5/31578** (2013.01 - US); **A61M 5/3202** (2013.01 - US); **A61M 5/3245** (2013.01 - US); **A61M 5/5086** (2013.01 - EP US); **A61M 5/2459** (2013.01 - EP US); **A61M 5/3129** (2013.01 - EP US); **A61M 5/326** (2013.01 - EP US); **A61M 5/3271** (2013.01 - EP US); **A61M 2005/2013** (2013.01 - EP US); **A61M 2005/206** (2013.01 - EP US); **A61M 2005/2073** (2013.01 - EP US); **A61M 2005/2403** (2013.01 - US); **A61M 2005/3118** (2013.01 - EP US); **A61M 2005/3125** (2013.01 - US); **A61M 2005/3247** (2013.01 - EP US); **A61M 2205/583** (2013.01 - EP US)

Cited by
US11865306B2; US10850036B2; US11786658B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2009270804 A1 20091029; **US 8048035 B2 20111101**; CA 2683253 A1 20100427; CY 1117076 T1 20170405; DK 2179759 T3 20160118; EP 2179759 A1 20100428; EP 2179759 B1 20151125; EP 2179759 B2 20211124; ES 2559866 T3 20160216; ES 2559866 T5 20220510; HU E026641 T2 20160728; PL 2179759 T3 20160429; PT 2179759 E 20160219; SI 2179759 T1 20160129; US 2011137247 A1 20110609; US 2012046609 A1 20120223; US 2013245553 A1 20130919; US 2016158460 A1 20160609; US 2018043108 A1 20180215; US 2020398002 A1 20201224; US 9586010 B2 20170307

DOCDB simple family (application)
US 25875408 A 20081027; CA 2683253 A 20091020; CY 151101196 T 20151229; DK 09173753 T 20091022; EP 09173753 A 20091022; ES 09173753 T 20091022; HU E09173753 A 20091022; PL 09173753 T 20091022; PT 09173753 T 20091022; SI 200931336 T 20091022; US 201113016543 A 20110128; US 201113285820 A 20111031; US 201313788509 A 20130307; US 201615045025 A 20160216; US 201715725628 A 20171005; US 202017012256 A 20200904